

Title (en)  
PUMP AND DISHWASHER COMPRISING THE SAME

Title (de)  
PUMPE UND GESCHIRRSPÜLER DAMIT

Title (fr)  
POMPE ET LAVE-VAISSELLE LA COMPRENANT

Publication  
**EP 3378372 A1 20180926 (EN)**

Application  
**EP 18163390 A 20180322**

Priority  
• KR 20170035886 A 20170322  
• KR 20170112095 A 20170901

Abstract (en)  
The present invention relates to a pump for transmitting washing water and generating steam and a dishwasher including the pump. The pump includes : a housing (82); a washing water inlet pipe (841) coupled to the housing (82) to receive washing water; a washing water outlet pipe (849) coupled to the housing (82) to discharge the washing water; an impeller (85) disposed in the housing (82) to discharge the washing water from the washing water inlet pipe (841) to the washing water outlet pipe (849); a heater (81) coupled to the housing (82) to heat the washing water in the housing (82) and generate steam; a steam discharge pipe (845) to discharge the steam generated by the heater (81); and a selector valve (83) coupled to the steam discharge pipe (845) to block the discharge of the washing water and allow the steam to be discharged, thereby preventing the discharge of washing water through the steam discharge pipe.

IPC 8 full level  
**A47L 15/42** (2006.01); **D06F 39/00** (2006.01); **D06F 39/04** (2006.01); **D06F 39/12** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)  
**A47L 15/0015** (2013.01 - US); **A47L 15/4223** (2013.01 - US); **A47L 15/4225** (2013.01 - EP US); **A47L 15/4234** (2013.01 - EP US); **A47L 15/4285** (2013.01 - EP US); **F04D 29/588** (2013.01 - EP)

Citation (search report)  
• [A] WO 2016028049 A1 20160225 - LG ELECTRONICS INC [KR]  
• [A] WO 2017022974 A1 20170209 - LG ELECTRONICS INC [KR]  
• [A] DE 102007056707 A1 20090528 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by  
CN113616130A; CN112301670A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3378372 A1 20180926**; **EP 3378372 B1 20190529**; AU 2018202053 A1 20181011; AU 2018202053 B2 20200206;  
AU 2020202370 A1 20200430; AU 2020202370 B2 20211014; EP 3560406 A1 20191030; EP 3560406 B1 20210106;  
US 11291348 B2 20220405; US 11737640 B2 20230829; US 2018271350 A1 20180927; US 2022192458 A1 20220623;  
WO 2018174590 A1 20180927

DOCDB simple family (application)  
**EP 18163390 A 20180322**; AU 2018202053 A 20180322; AU 2020202370 A 20200403; EP 19174573 A 20180322; KR 2018003349 W 20180322;  
US 201815928521 A 20180322; US 202217691543 A 20220310